

IN THE CLAIMS:

Please amend the claims as follows:

1. (Previously Amended) A computer system comprising:

a first heat generating element in which a heat generation amount is changed;

a second heat generating element;

a fan configured to cool the first and second heat generating elements;

a first temperature sensor configured to detect a temperature of the first heat generating element;

a second temperature sensor configured to detect a temperature of the second heat generating element; and

a controller configured to control a rotation speed of the cooling fan, based on the temperatures detected by the first and second temperature sensors, the controller being configured to cause a power source to be turned off when at least the temperature detected by the first temperature sensor exceeds a predetermined value.

2. (Original) The computer system according to claim 1, wherein the controller includes a first control flag which is switched on/off in accordance with a change of the temperature detected by the first sensor, and a second control flag which is switched on/off in accordance with a change of the temperature detected by the second sensor, and the rotation speed of the cooling fan is determined in correspondence with a combination of states of the first and second control flags.

FINNEGAN
HENDERSON
FARABOW
GARRETT &
DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
www.finnegan.com

3. (Original) The computer system according to claim 2, wherein the first control flag is switched on when the temperature detected by the first sensor exceeds a first predetermined value, and the first control flag is switched off when the temperature detected by the first sensor goes under a second predetermined value, and

the second control flag is switched on when the temperature detected by the second sensor exceeds a third predetermined value, and the second control flag is switched off when the temperature detected by the second sensor goes under a fourth predetermined value.

4. (Original) The computer system according to claim 1, wherein the first heat generating element comprises a CPU and the second heat generating element comprises a power source circuit.

5. (Previously Canceled) The computer system according to claim 4, wherein the CPU has a power save mode.

6. (Previously Amended) A method of controlling a rotation speed of a cooling fan in a computer system including a first heat generating element in which a heat generation amount is changed and a second heat generating element, the method comprising:

cooling the first and second heat generating elements by a fan;

detecting a temperature of the first heat generating element by a first temperature sensor;

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1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
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detecting a temperature of the second heat generating element by a second temperature sensor;

controlling the rotation speed of the cooling fan, based on the temperatures respectively detected by the first and second temperature sensors; and

causing a power source to be turned off when at least the temperature detected by the first temperature sensor exceeds a predetermined value.

7. (Original) The method according to claim 6, wherein in the controlling the rotation speed of the cooling fan, a first control flag is switched on/off in accordance with a change of the temperature detected by the first sensor, a second control flag is switched on/off in accordance with a change of the temperature detected by the second sensor, and the rotation speed of the cooling fan is determined in correspondence with a combination of states of the first and second control flags.

8. (Original) The method according to claim 7, wherein the first control flag is switched on when the temperature detected by the first sensor exceeds a first predetermined value, and the first control flag is switched off when the temperature detected by the first sensor goes under a second predetermined value, and

the second control flag is switched on when the temperature detected by the second sensor exceeds a third predetermined value, and the second control flag is switched off when the temperature detected by the second sensor goes under a fourth predetermined value.

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1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
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9. (Original) The method according to claim 6, wherein the first heat generating element comprises a CPU and the second heat generating element comprises a power source circuit.

10. (Previously Canceled) The method according to claim 9, wherein the CPU has a power save mode.

11. (Previously Amended) A computer system comprising:

a CPU;

a power source circuit different from the CPU;

a fan configured to cool the CPU and the power source circuit;

a first temperature sensor configured to detect a temperature of the CPU;

a second temperature sensor configured to detect a temperature of the power source circuit; and

a controller configured to control the fan to cool the power source circuit, if the second temperature sensor detects the temperature at which the power source circuit should be cooled, in a state where the temperature of the CPU does not exceed a predetermined value at which the CPU should be cooled.

12. (Previously Canceled) A computer system comprising:

a CPU capable of operating at a first frequency and a second frequency higher than the first frequency;

a heat generating element different from the CPU;

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Washington, DC 20005
202.408.4000
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a fan configured to cool the CPU and the heat generating element;
a temperature sensor configured to detect a temperature at which the heat generating element should be cooled; and
a controller configured to control the fan to cool the CPU and the heat generating element, if the temperature sensor detects the temperature at which the heat generating element should be cooled, while the CPU operates at the first frequency.s

13. (Previously Canceled) A computer system comprising:

a first heat generating element;
a second heat generating element;
a fan configured to cool the first and second heat generating elements, by introducing cooling gas to the first heat generating element and further introducing the cooling as to the second heat generating element through the first heat generating element; and
a controller configured to control the fan to rotate at a higher speed in a case of cooling the second heat generating element than in a case of cooling the first heat generating element.

14. (Previously Canceled) A computer system comprising:

a CPU capable of operating in at least two kinds of states having respectively different heat generation levels;
a heat generating element different from the CPU;

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HENDERSON
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DUNNER LLP

1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
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a fan configured to cool the CPU and the heat generating element, by introducing cooling gas to the CPU and further introducing the cooling gas to the heat generating element through the CPU;

a first temperature sensor configured to detect a temperature of the CPU;

a second temperature sensor configured to detect a temperature of the heat generating element; and

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a controller configured to control the fan to rotate at a first rotation speed if the first temperature sensor detects a temperature at which the CPU should be cooled and if the second temperature sensor does not detect a temperature at which the heat generating element should be cooled, control the fan to rotate at a second rotation speed higher than the first rotation speed if the first temperature sensor does not detect the temperature at which the CPU should be cooled and if the second temperature sensor detects the temperature at which the heat generating element should be cooled, and control the fan to rotate at a third rotation speed higher than the second rotation speed if the first temperature sensor detects the temperature at which the CPU should be cooled and if the second temperature sensor detects the temperature at which the heat generating element should be cooled.

15. (Previously Amended) A method of controlling a rotation speed of a cooling fan in a computer system including a CPU and a power source circuit different from the CPU, the method comprising:

cooling the CPU and the power source circuit by a fan;

detecting a temperature of the CPU by a first temperature sensor;

detecting a temperature of the power source circuit by a second temperature sensor; and

controlling the fan to cool the power source circuit, if the second temperature sensor detects the temperature at which the power source circuit should be cooled, in a state where the temperature of the CPU does not exceed a predetermined value at which the CPU should be cooled.

16. (Previously Canceled) A method of controlling a rotation speed of a cooling fan in a computer system including a CPU capable of operating at a first frequency and a second frequency higher than the first frequency, and a heat generating element different from the CPU, the method comprising:

cooling the CPU and the heat generating element by a fan;

detecting a temperature at which the heat generating element should be cooled, by a temperature sensor; and

controlling the fan to cool the CPU and the heat generating element, if the temperature sensor detects the temperature at which the heat generating element should be cooled, while the CPU operates at the first frequency.

17. (Previously Canceled) A method of controlling a rotation speed of a cooling fan in a computer system including a first heat generating element and a second heat generating element, the method comprising:

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HENDERSON
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1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
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cooling the first and second heat generating elements by the fan, by introducing cooling gas to the first heat generating element and further introducing the cooling gas to the second heat generating element through the first heat generating element; and controlling the fan to rotate at a higher speed in case of cooling the second heat generating element than in case of cooling the first heat generating element.

18. (Previously Amended) A method of controlling a rotation speed of a cooling fan in a computer system, the method comprising:

cooling a CPU and a heat generating element by a fan, by introducing cooling gas to the CPU and further introducing the cooling gas to the heat generating element through the CPU, the CPU capable of operating in at least two kinds of states having respectively different heat generation levels, and the heat generating element different from the CPU;

detecting a temperature of the CPU by a first temperature sensor;

detecting a temperature of the heat generating element by a second temperature sensor; and

controlling the fan to rotate at a first rotation speed if the first temperature sensor detects a temperature at which the CPU should be cooled and if the second temperature sensor does not detect a temperature at which the heat generating element should be cooled, controlling the fan to rotate at a second rotation speed higher than the first rotation speed if the first temperature sensor does not detect the temperature at which the CPU should be cooled and if the second temperature sensor detects the temperature at which the heat generating element should be cooled, and controlling the

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GARRETT &
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1300 I Street, NW
Washington, DC 20005
202.408.4000
Fax 202.408.4400
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fan to rotate at a third rotation speed higher than the second rotation speed if the first temperature sensor detects the temperature at which the CPU should be cooled and if the second temperature sensor detects the temperature at which the heat generating element should be cooled.

19. (Previously Canceled) A computer system comprising:

a CPU;

a power source circuit;

a first temperature sensor configured to detect a temperature of the CPU;

a second temperature sensor configured to detect a temperature of the power source circuit; and

a drive control circuit configured to drive and control a specific element, based on at least one of the temperatures detected by the first and second temperature sensors.

20. (Previously Added) The computer system according to claim 11, wherein:

the CPU is capable of operating at a first frequency and a second frequency higher than the first frequency and brought into different heat generation states, respectively, in correspondence with the frequencies; and

the controller controls the fan to cool the power source circuit, if the second temperature sensor detects the temperature at which the power source circuit should be cooled, in a state where the CPU operates at the first frequency and the temperature of the CPU does not exceed the predetermined value at which the CPU should be cooled.

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21. (Previously Added) The method according to claim 15, wherein:

the CPU is capable of operating at a first frequency and a second frequency higher than the first frequency and brought into different heat generation states, respectively, in correspondence with the frequencies; and

the controlling includes controlling the fan to cool the power source circuit, if the second temperature sensor detects the temperature at which the power source circuit should be cooled, in a state where the CPU operates at the first frequency and the temperature of the CPU does not exceed the predetermined value at which the CPU should be cooled.

22. (Currently Amended) A computer system comprising:

a first heat generating element;

a second heat generating element comprising a power source circuit;

a first temperature sensor configured to detect a temperature of the first heat generating element;

a second temperature sensor configured to detect a temperature of the second heat generating element;

a fan configured to cool the first and second heat generating elements; and

a controller configured to control the fan to i) rotate at a first rotation speed if the temperature detected by the first temperature sensor exceeds a first value and the temperature detected by the second temperature sensor does not exceed a second value, and ii) rotate at a second rotation speed higher than the first rotation speed if the temperature detected by the first temperature sensor does not exceed the first value

and the temperature detected by the second temperature sensor exceeds the second value.

23. (Previously Added) The computer system according to claim 22, wherein the controller controls the fan to rotate at a third rotation speed higher than the second rotation speed if the temperature detected by the first temperature sensor exceeds the first value and the temperature detected by the second temperature sensor exceeds the second value.

24. (Previously Added) The computer system according to claim 22, wherein the first heat generating element is located closer to the fan than the second heat generating element.

25. (Currently Amended) The computer system according to claim 24, wherein the first heat generating element is a CPU, ~~and the second heat generating element is a power source circuit.~~

26. (Previously Added) The computer system according to claim 25, wherein: the controller executes notification to the CPU if the temperatures detected by the first and second temperature sensors exceed a third value; and the CPU executes data withdrawal and power shut-off in response to the notification.

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